acm Transactions on Graphics

Volume 17 • 1998

Editor-in-Chief Holly Rushmeier

Online Editor Eric Haines

Associate Editors Chandrajit Bajaj

Marshall Bern Steve Feiner Mark Green Jessica Hodgins Christoph Hoffmann

Gary Meyer
Frits Post
Ari Rappoport
Francois Sillion

Published by ACM, Inc.

Copyright 1998 Association for Computing Machinery, Inc. 1515 Broadway, New York, NY 10036

Volume 17 ● 1998

Research Articles

- 1 Bajaj, C. L., Holt, R. J., and Netravali, A. Rational Parametrizations of Nonsingular Real Cubic Surfaces, 17, 1 (Jan. 1998), 1–31.
- 116 Cohen-Or, D. and Solomovici, A. Three-Dimensional Distance Field Metamorphosis. 17, 2 (April 1998), 116–141.
- 32 Elber, G. and Kim, M.-S. The Bisector Surface of Rational Space Curves. 17, 1 (Jan. 1998), 32-49.
- 143 Gonzalez-Ochoa, C., McCammon, S., and Peters, J. Computing Moments of Objects Enclosed by Piecewise Polynomial Surfaces. 17, 3 (July 1998), 143–157.
- 71 Greiner, G. and Hormann, K. Efficient Clipping of Arbitrary Polygons. 17, 2 (April 1998), 71–83.
- 158 Heidrich, W., Slusallek, P., and Seidel, H.-P. Sampling Procedural Shaders Using Affine Arithmetic. 17, 3 (July 1998), 158–176.
 - 1 Holt, R. J. See Bajaj, C. L. 17, 1 (Jan. 1998), 1-31.
- 71 Hormann, K. See Greiner, G. 17, 2 (April 1998), 71-83.
- 32 Kim, M.-S. See Elber, G. 17, 1 (Jan. 1998), 32-49.
- 209 Kobbelt, L. and Schröder, P. A Multiresolution Framework for Variational Subdivision. 17, 4 (Oct. 1998), 209–237.
- 143 McCammon, S. See Gonzalez-Ochoa, 17, 3 (July 1998), 143-157.
- 177 Mirtich, B. V-Clip: Fast and Robust Polyhedral Collision Detection. 17, 3 (July 1998), 177-208.

- 238 Naiman, A. C. Jagged Edges: When Is Filtering Needed? 17, 4 (Oct. 1998), 238-258.
 - 1 Netravali, A. See Bajaj, C. L. 17, 1 (Jan. 1998), 1-31.
- 50 Paglieroni, D. W. The Directional Parameter Plane Transform of a Height Field. 17, 1 (Jan. 1998), 50–70.
- 143 Peters, J. See Gonzalez-Ochoa, C. 17, 3 (July 1998), 143-157.
- 259 Raghothama, S. and Shapiro, V. Boundary Representation Deformation in Parametric Solid Modeling. 17, 4 (Oct. 1998), 259–286.
- 84 Rossignac, J. See Taubin, G. 17, 2 (April 1998), 84-115.
- 209 Schröder, P. See Kobbelt, L. 17, 4 (Oct. 1998), 209-237.
- 158 Seidel, H.-P. See Heidrich, W. 17, 3 (July 1998), 158-176.
- 259 Shapiro, V. See Raghothama, S. 17, 4 (Oct. 1998), 259-286.
- 158 Slusallek, P. See Heidrich, W. 17, 3 (July 1998), 158-176.
- 116 Solomovici, A. See Cohen-Or, D. 17, 2 (April 1998), 116-141.
- 84 Taubin, G. and Rossignac, J. Geometric Compression Through Topological Surgery. 17, 2 (April 1998), 84–115.

